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MONITORING OF POTASSIUM LEVEL ON THE HEART FAILURE PATIENTS USING CAPTOPRIL AND FUROSEMIDE

Abstract

This study was conducted to monitor potassium levels in patients with heart failure NYHA type III-IV with administration of combination therapy of captopril and furosemide in areas of inpatient wards of dr. Soetomo General Hospital. This study is a prospective observational study. The samples were heart failure patients with NYHA type III and IV in Heart Care Unit of Dr. Soetomo General Hospital. Data collection was conducted from October 2011-January 2012. Study inclusion criteria are patients with age more than 50 years and heart failure patients who received captopril and furosemide therapy. Exclusion criteria of this research are cardiogenic shock, hypotension (SBP < 100 mm Hg), metabolic acidosis, patients with Diabetes Mellitus and renalfailure patients. The potassium levels results of the study with combination therapy of Captopril and Furosemide was found that 28% (9 patients) had hypokalemia, 3% (1 patient) had hyperkalemia and 69% (22 patients) with normal levels of potassium (potassium levels 3.5-5.0 mmol/L). It was concluded that potassium serum of heart failure patients with NYHA type III-IV who received the combination therapy Captopril and Furosemide remain in normal and recommended use. (FMI 2013;49:216-219)

Keyword : Captopril, and, Furosemide, Combination, Therapy, NYHA, Patient, type, II-IV, Hyperkalemia, Hypokalemia,

Daftar Pustaka :